

CLIMATOLOGICAL DATA FOR JANUARY, 1913.

DISTRICT NO. 8, TEXAS AND RIO GRANDE VALLEY.

B. BUNNEMEYER, District Editor.

GENERAL SUMMARY.

The month was cold, with much cloudy and disagreeable weather and about the normal amount of precipitation. In the western portion of the district both minimum and mean temperatures were the lowest of record for January. In Texas the temperatures were more moderate, and in the eastern portion of that State the month averaged warmer than normal. The period of extreme cold was of short duration in Texas, and although freezing weather occurred in all parts of the State on the 7th or 8th very little damage was done to truck along the Texas coast, and in general the month was unusually favorable for early truck growing.

There was practically no precipitation over the extreme upper portion of the Brazos and Colorado watersheds and over the lower portion of the Pecos, but elsewhere the moisture was ample for all purposes. The monthly amounts were in excess of the normal in the middle Rio Grande Valley and in the eastern portions of Texas. In the latter section the ground was still soaked from the heavy rains in December, and the damp and cloudy weather of January prevented the soil from drying out and thus delayed farm work. The only severe storm of the month was that of the 5th-7th, which gave heavy snows in the mountain districts and snow or sleet in north Texas. Precipitation occurred nearly daily at some stations near the coast, but elsewhere it was of about the usual frequency. The average number of days with 0.01 inch or more of precipitation was 4 in Colorado, 3 in New Mexico, and 5 in Texas.

The greatest and least monthly amounts of precipitation were, respectively, in Colorado, 2.07 inches at Platoro and 0.03 inch at Blanca; in New Mexico, 2.85 inches at Placitas and 0.01 inch at Lakewood; and in Texas, 6.88 inches at Alvin and a trace at five stations, while at eight others there was none. Excessive precipitation of 2.50 inches or more in 24 consecutive hours occurred at three stations in Texas, the heaviest amount being 3.31 inches at Mont Belvieu, on the 26th. The greatest monthly snowfall in Colorado was 26.2 inches at Platoro; in New Mexico, 33.5 inches at Anchor Mine; and in Texas, 2.1 inches at El Paso.

TEMPERATURE.

The monthly mean temperature was 4.1° below the normal in Colorado, 4.3° below in New Mexico, and 0.3° below in Texas. The month opened warm, but between the 7th and 9th a cold wave overspread the district, which gave freezing weather to the Texas coast and temperatures ranging from zero to 33° below zero in Colorado and New Mexico. During the latter half of the month moderate temperatures prevailed, except that it was cold again on the 21st and 22d. The coldest weather occurred during the cold wave of the 7th, and the warmest between the 1st and 6th, 17th and 19th, and 26th and 31st. The warm periods were, however, poorly defined and the highest temperature was well below the normal for the month. The average daily range of temperature varied from 11° on the Texas coast to 35° in the middle Pecos Valley.

The highest and lowest temperatures reported were, respectively, in Colorado 50° at Saguache on the 4th and 27th, and -33° at Hermit on the 7th; in New Mexico, 76° at Carlsbad on the 4th, and -32° at Willard on the 8th; and in Texas, 87° at Falfurrias on the 5th and at Fort McIntosh on the 6th, and -1° at Plainview on the 8th. The local monthly means ranged from 8.9° to 17.0° in Colorado, from 12.9° to 42.2° in New Mexico, and from 38.6° to 59.0° in Texas.

PRECIPITATION.

The monthly precipitation for the Rio Grande watershed as a whole averaged about normal and was well distributed. Above Marathon, Tex., it was nearly all in the form of snow.

The Rio Pecos watershed received more than the average amount of moisture above Cloudcroft, N. Mex., but there was a decided deficiency south of Artesia, N. Mex. There was practically no precipitation in the Texas portion of this watershed.

Of the Texas watersheds, those of the Colorado, Trinity, and Brazos received slightly more than the normal amount of precipitation, the excesses ranging from 0.18 inch for the Colorado drainage basin to 0.66 inch for that of the Neches. The Colorado, however, received little or no moisture in its extreme upper portion. The remaining Texas watersheds showed deficiencies of precipitation which ranged from 0.05 inch for the Brazos to 1.02 inches for the Nueces. The following are the monthly amounts in inches and hundredths for the various Texas watersheds: Nueces, 0.59; San Antonio, 0.78; Guadalupe, 1.03; Lavaca, 1.36; Colorado, 1.03; Brazos, 1.39; Trinity, 2.69; Neches, 3.92; Sabine, 3.24; and coastal plains, 2.23.

RIVER CONDITIONS.

The streams of the district remained practically at low-water mark throughout the month. A slight rise occurred in the lower Trinity between the 26th and 31st.

SNOWFALL IN THE MOUNTAINS.

While the month had about the normal amount of precipitation in Colorado and New Mexico, the total fall of snow was considerably above the normal, as practically all the moisture was in the form of snow. On account of the unusually cold weather there was but little melting at the higher altitudes. At the lower levels the melting was slow and resulted in some benefit, as it reduced the amount of water reaching the trunk streams and gave much soil moisture. At the close of the month the ground was generally bare at the lower levels, and the stored depth at the higher levels was still below the normal over both the Rio Grande and Rio Pecos watersheds, but it was greater than at the close of December. In the extreme upper Rio Grande watershed the average depth at an elevation of 9,400 feet was 10 inches, or 4 inches less than at the corresponding date of last year.

MONTHLY WEATHER REVIEW.

JANUARY, 1913

TABLE 1.—Climatological data for January, 1913. District No. 8, Texas and Rio Grande Valley.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmetted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
<i>Colorado.</i>																				
Blanca.	Costilla.	7,365	4	14.8		44	27	-26	7†	51	0.03	0.03	3.0	1	23	3	5	w.	Lewis F. Botens.	
Cumbres.	Conejos.	10,015	6								1.67	0.66	23.3	6	17	11	3	sw.	Mrs. Ida M. Lively.	
Garnett.	Costilla.	10,576	20	11.8	-6.1	43	26	-31	7	47	0.54	+ 0.43	0.53	6.5	2	13	11	7	nw.	Chas. Speiser.
Hermit.	Hinsdale.	9,843	6	8.9		42	3	-33	7	54	0.57		0.17	7.5	6	20	3	se.	Marion Mason.	
La Veta Pass.	Costilla.	9,000	3								1.48		1.20	20.2	2	21	6	4	sw.	Clara M. Wright.
Manassa.	Conejos.	7,700	7	14.6		46*	28	-32*	8	50*	0.17		0.17	3.0	1	21	5*	4*	sw.	J. B. Chapman.
Platoro.	do.	7,675	6								2.07		0.60	26.2	9	18	4	9	w.	Walter R. Hook.
Saguache.	Saguache.	7,740	21	17.0	-2.7	50	4†	-21	8	51	0.30	+ 0.14	0.30	4.0	1	16*	3*	11*	sw.	Eugene Williams.
San Luis.	Costilla.	7,784	22	14.8	-7.0	46	25	-31	8	57	0.84	+ 0.44	0.65	8.6	4	22	11	1	nw.	P. B. Albright.
Wagon Wheel Gap Experiment Station.	Mineral.	9,235	2	13.4	-0.5	41	3	-22	6†	39	0.73	+ 0.07	0.32	10.5	7	22	3	6	nw.	U. S. Weather Bureau.
<i>New Mexico.</i>																				
Agricultural College.	Dona Ana.	3,863	51	36.8	-5.4	68	4	-8	8	49	0.49	+ 0.17	0.30	5.0	2	18	7	6	nw.	N. M. Agricultural College.
Alamogordo (near).	Otero.	4,338	16	37.7*	-6.3	63	17†	-8	8	39	0.57	+ 0.01	0.52	8.2	3	21	6	4	s.	Edward LeBreton.
Alamogordo.	do.	4,320	4					-10	8		0.49		0.39	7.8	2					Agent E. P. & S. W. R. R.
Alamos Ranch.	Sandoval.	7,800	3								1.74		1.53	18.0	2	28	0	3	sw.	Harold H. Brook.
Albuquerque.	Bernalillo.	5,000	37					-11	8		0.78	+ 0.39	0.56	8.8	4	21	6	4	sw.	Pitt Ross, C. E.
Ancho.	Lincoln.	6,112	4								0.84		0.49	12.0	3					Agent E. P. & S. W. R. R.
Anchor Mine.	Taos.	10,600	2								1.72		0.54	33.5	6	9	14	8	w.	Charles H. Brigham.
Artesia.	Eddy.	3,350	5	38.8		73	1	-11	8	51	0.09		0.09	2.0	2	22	1	8	sw.	Will Benson, C. E.
Aspen Grove Ranch.	Rio Arriba.	9,000	4								1.28		0.46	20.7	7	14	13	4	sw.	Junius D. Maupin.
Batemans Ranch.	do.	S. 900	4								1.57		0.64	17.1	6	19	8	4	w.	John W. Bateman.
Berino.	Dona Ana.	3,788	2																J. C. Rishaberg.	
Bluewater.	Valencia.	6,732	11	24.8	-4.2	64	25	-19	7†	59	0.12	-0.20	0.12	2.0	1	20	7	4	w.	Bluewater Development Co.
Boaz.	Chaves.	4,154	4	36.8		74	4	-20	8	52	0.26		0.20	4.0	2	25	4	2	sw.	William Horner.
Capitan.	Lincoln.	6,348	4								1.66		0.96	26.0	3	15	9	7	w.	Agent E. P. & S. W. R. R.
Carlsbad.	Eddy.	3,120	18	42.2	-2.8	76	4	-3	8	51	0.18	-0.12	0.18	1.5	2	20	8	3	se.	Agent E. P. & S. W. R. R.
Carrizozo.	Lincoln.	5,429	5																Do.	
Cerrillos (near).	Santa Fe.	5,700	1	23.9		59	4	-21	8	50	1.22		0.80	17.2	4	17	10	4	w.	Irving C. Sweet.
Chama.	Rio Arriba.	7,851	15	17.2	-5.8	44	26†	-21	8	49	1.57	-0.54	0.98	23.0	5	23	7	1	sw.	Frank C. Johnson.
Cloudcroft.	Otero.	8,650	11	30.8	+ 1.0	50	4	-4	7	40	1.13	-0.45	0.77	16.0	4					Agent E. P. & S. W. R. R.
Corona.	Lincoln.	6,666	4	30.6		54	3	-12	7	46	1.80		0.96	28.0	3	23	6	2	sw.	Do.
Coyote.	do.	5,800	4																Do.	
Cundiyo.	Santa Fe.	6,889	4																Juan Vilij.	
Demonstration Farm.	San Miguel.	6,800	2																Erb & Westerman.	
Duran.	Torrance.	6,272	4	32.8		58	18	-6	7	46	0.74		0.33	12.0	2	23	5	3	sw.	Agent E. P. & S. W. R. R.
Escondido.	Otero.	4,014	4								0.50		0.28	7.5	3	23	4	4	nw.	Do.
Espanola.	Rio Arriba.	5,590	15	21.0	-9.0	53	5	-23	9	41	0.37	+ 0.06	0.14	5.5	4	21	7	3	n.	Mrs. Ella F. McBride.
Estancia.	Torrance.	6,140	8	23.0		64	20	-30	9	47	1.06	+ 0.45	0.98	15.0	3	23	3	5	w.	Geo. H. Van Stone.
Fort Stanton.	Lincoln.	6,231	36	33.2	-2.4	60	17†	-20	7	60	1.04	+ 0.54	1.00	14.5	3	23	4	4	nw.	U. S. Sanitarium.
Fort Sumner.	Guadalupe.	3,960	5	32.0		68	2†	-22	8	57	0.16		0.16	3.0	2	19	7	5	nw.	Peter Yocky.
Gallinas.	Lincoln.	6,635	4								0.78		0.40	15.0	2	25	1	5	w.	Agent E. P. & S. W. R. R.
Gallinas Planting Sta.	San Miguel.	7,500	6	28.3		60	3	-20	7	57	0.79		0.42	10.8	5	19	6	6	sw.	U. S. Forest Service.
Glorietta Ranch.	Socorro.	5,700	3								0.71		0.40	10.0	2	24	2	5	s.	Chas. M. Crossman.
Harvey's Upper Ranch.	San Miguel.	9,400	4	24.0		45	3†	-10	7	42	0.00		0.35	10.0	6	20	6	5	sw.	R. B. Schoonmaker.
Hobbs.	Eddy.										0.03		0.03	8.5	2	20	5	6	sw.	E. H. Byers.
Hondo Reservoir.	Chaves.	3,904	4	36.2		73	4	-20	8	48	0.44		0.44	8.5	2	26	3	2	n.	U. S. Reclamation Service.
Jemez Springs.	Sandoval.	6,100	3	26.3		53	3	-13	7	40	0.80		0.50	12.0	5	18	6	7	sw.	Mrs. I. L. Shields.
Knowles (near).	Eddy.	4,300	3	39.0		70	4†	-1	3	46	0.60		0.03	0.3	1	23	4	4	w.	J. W. Mosley.
Laguna.	Valencia.	5,840	8	27.6		56	4	-11	8	42	0.60	+ 0.38	0.32	8.0	2				w.	Gus Weiss.
Lagunita.	Guadalupe.	4,500	8																P. A. Turnbull.	
Lake Valley.	Sierra.	5,412	8					-4	6		0.73		0.42	12.0	5	22	6	3	sw.	William Peil.
Lakewood (near).	Eddy.	3,170	1	39.4		73	4	-11	8	54	0.01		0.01	0.2	1	29	1	1	se.	Mrs. J. K. Boyd.
Lanark.	Dona Ana.	4,156	14								0.38	+ 0.10	0.16	5.0	5	23	1	7	e.	Agent So. Pac. R. R.
Las Vegas.	San Miguel.	6,355	26	28.6	-4.8	65	30	-20	7	54	0.48	+ 0.06	0.33	4.7	3	26	3	2	sw.	New Mexico Normal Univ.
Liston.	Chaves.	5,000	3								0.30		0.30	3.0	1	14	14	3	w.	H. G. Liston.
Los Lunas (near).	Valencia.	4,900	24	25.8	-6.2	63	4	-20	9	49	0.73	+ 0.09	0.51	6.8	2	14	15	2	w.	Richard Pohl.
Magdalena.	Socorro.	6,557	8	29.0		55	19	-4	8	36	0.56		0.28	8.0	2	17	11	3	w.	William Pender.
Mescalero.	Otero.	6,627	2	30.8		56	3	-10	8	46	0.64		0.41	10.7	5	19	6	6	sw.	Rev. R. H. Harper.
Mineral Hill.	San Miguel.	7,050	8								0.39		0.33	6.0	2	23	9	0	nw.	W. M. Nelson.
Monterey.	Otero.	4,436	4								0.33		0.33	6.5	3	0	28	3	sw.	Agent E. P. & S. W. R. R.
Mountainair.	Torrance.	6,547	11	24.0	-9.7	50	19	-21	7	49	1.15	+ 0.49	0.52	14.8	3	16	9	6	sw.	Miss Julia Hill.
Mountain Park.	Otero.	1									1.13		0.80	13.0	4					Charles E. Beasley.
Newman.	do.	3,989	4																Agent E. P. & S. W. R. R.	
Noria.	Dona Ana.	4,114	4								0.18		2.0	1	25	0	6	w.	Eugene F. Jones.	
Orogrande.	Otero.	4,171	4								0.39		5.5	1	18	10	3	w.	A. M. Hove.	
Oscura.	Lincoln.	5,016	4								0.50		0.46	8.5	2				Benjamin Lasswell.	
Otis.	Eddy.	3,100	4								0.17		0.12	2.0	2	23	4	4	nw.	Agent E. P. & S. W. R. R.
Otto.	Santa Fe.	6,200	4								1.29		0.80	17.0	4					Agent So. Pac. R. R.
Pastura.	Guadalupe.	5,285	4								0.42		0.42	8.0	2	24	1	6	sw.	George C. Ellis.
Placitas (near).	Bernalillo.	8,000	2	26.6		48	18†	-7	8	42	2.85		1.95	24.0	4	19	10	2	sw.	L. P. Adair.

TABLE 1.—Climatological data for January, 1913. District No. 8—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.				Observers.	
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of rainy days, 0.01 inch or more.	Number of part cloudy days.	Number of cloudy days.				
<i>New Mexico—Contd.</i>																					
Truchas.	Rio Arriba.	7,935	4	22.0	.....	48	29	-10	8	45	0.65	.....	0.29	11.4	5	16	9	6	w.	Miss Myrtle Rendon.
Tularosa.	Otero.	4,436	4	35.2	.....	62	1	-4	8	37	0.34	.....	0.32	7.0	2	16	10	5	n.	Irby L. Fairless.
Vaughn.	Guadalupe.	5,952	5	.....	.....	.....	.....	.....	.....	.....	0.54	.....	0.28	8.0	3	25	0	6	sw.	Agent E. P. & S. W. R. R.
Virsylvia.	Taos.	7,500	3	15.9	.....	46	31	-28	7	48	0.44	.....	0.22	6.5	4	19	8	4	sw.	Dr. I. N. Woodman.
Willard.	Torrance.	6,086	1	25.6	.....	55	4†	-32	8	55	1.02	.....	0.58	13.8	3	24	0	7	sw.	Dr. V. S. Cheyney.
Winsors.	San Miguel.	8,200	17	27.4	+ 0.1	50	3†	-16	7	51	1.00	-0.19	0.45	15.5	6	14	15	2	sw.	James F. Matty.	
<i>Texas.</i>																					
Abilene.	Taylor.	1,738	28	44.2	+ 1.6	76	17	9	8	38	0.25	- 0.65	0.11	0.4	5	12	7	12	s.	U. S. Weather Bureau.	
Albany.	Shackelford.	1,429	19	41.9	- 1.3	76	19	2	8	45	0.50	- 0.52	0.21	0	3	18	4	9	n.	N. L. Bartholomew.	
Alice.	Jim Wells.	209	2	55.8	.....	82	5	26	8	39	1.10	.....	0.45	0	5	9	2	20	w.	R. M. Boerum.
Alpine.	Brewster.	4,482	3	45.8	.....	77	5	6	8	51	0.00	.....	0.00	0	0	24	0	7	w.	H. B. Cowles.
Alvin.	Brazoria.	49	15	51.7	.....	77	19	23	8	33	6.88	+ 3.66	2.40	0	6	8	1	22	n.	Alvin Japanese Nursery.
Anahuac.	Chambers.	23	2	4	.....	.....	.....	.....	.....	.....	3.53	1.98	0	10	3	1	1	1	n.	Lone Star Canal.
Antelope.	Jack.	2	2	.....	.....	.....	.....	.....	.....	.....	1.49	0.97	0.2	4	15	9	7	.....	Paul Rudolph.	
Aspermont.	Stonewall.	2	2	.....	.....	.....	.....	.....	.....	.....	0.13	0.13	0	1	25	1	5	sw.	Bryant Link Co.	
Austin.	Travis.	593	57	51.1	+ 2.0	73	3†	18	6†	43	1.26	- 0.76	0.70	T.	6	12	8	11	n.w.	A. Deussen.	
Ballinger.	Runnels.	1,637	17	45.8	+ 0.4	85	1	9	8	54	1.01	+ 0.35	0.66	0	4	15	2	14	n.	E. M. Eubank.	
Barstow.	Ward.	2,573	6	45.8	.....	77	5	6	8	51	0.00	.....	0.00	0	0	26	3	2	w.	F. P. Ingerson.
Bay City.	Matagorda.	53	3	56.3	.....	81	25	25	8	37	1.71	.....	1.24	0	7	30	0	1	n.	E. C. Quereau.
Beaumont.	Jefferson.	29	12	55.6	+ 1.4	75	18	23	8	38	6.64	+ 3.94	3.16	0	10	13	0	18	se.	John Bender.	
Beeville.	Bee.	225	17	55.6	+ 0.4	82	20	25	8	42	0.58	- 0.51	0.23	0	9	13	2	16	n.	L. E. Dickey.	
Big Springs.	Howard.	2,396	14	44.7	- 2.7	78	4	8	8	43	0.29	- 0.10	0.19	T.	2	18	6	7	s.	B. Reagan.	
Blanco.	Blanco.	1,350	17	51.4	+ 2.6	80	17†	14	7	48	1.45	+ 0.36	0.98	T.	5	16	10	5	s.	R. C. Crist.	
Boerne.	Kendall.	1,412	21	50.2	+ 0.5	76	17	17	7	44	1.21	- 0.19	0.52	0	11	9	1	21	n.	F. W. Schweppé.	
Booth.	Fort Bend.	81	12	.....	.....	.....	.....	.....	.....	.....	2.23	+ 0.51	0.90	0	8	11	0	20	n.	T. R. Booth.
Bowie.	Montague.	1,113	18	43.8	- 1.1	78	17	1	8	37	1.48	+ 0.57	0.94	0.5	4	12	2	17	n.	Craig Anderson.	
Brady.	McCullough.	1,500	12	51.0	.....	80	4	10	7	42	1.45	- 0.06	0.75	0	3	18	1	12	s.	Prof. J. O. Wallace.
Brazoria.	Brazoria.	35	24	57.2	+ 2.6	78	20	25	7	39	2.94	- 1.07	1.90	0	12	13	3	15	n.	Mrs. M. A. Stevens.	
Brazos.	Palo Pinto.	801	4	.....	.....	.....	.....	.....	.....	.....	1.05	.....	0.52	1.0	4	10	9	12	n.	Robert E. Boyett.
Brentham.	Washington.	350	28	50.4	- 1.2	77	20	20	7†	31	1.92	- 1.57	0.61	0	11	9	6	16	n.	Mrs. B. F. Sloan.	
Bridgeport.	Wise.	754	4	.....	.....	.....	.....	.....	.....	.....	1.55	0.90	0	4	8	4	19	n.	Claud Strange.	
Brighton.	Nueces.	12	20	56.5	- 1.3	80	25	27	7	45	1.93	+ 0.66	1.55	0	3	12	4	15	n.w.	G. H. Ritter.	
Brownsville.	Cameron.	38	49	58.6	- 0.5	79	18	30	7	39	2.05	+ 0.72	1.16	0	14	1	1	1	n.	U. S. Weather Bureau.	
Brownwood.	Brown.	1,342	21	45.4	- 2.1	80	4	10	8	47	1.46	+ 0.15	0.60	0	5	13	5	13	s.	Mrs. Pearl Smith.	
Buena Vista.	Pecos.	1	.....	.....	.....	.....	.....	.....	.....	.....	0.00	0	0	0	0	0	0	0	n.	W. H. Denis.
Cameron.	Milam.	5	.....	.....	.....	.....	.....	.....	.....	.....	0.93	0	12	10*	7*	13*	8	s.	J. E. Watts.	
Carmona.	Polk.	330	5	52.1	.....	79	18	18	8	46	3.29	.....	0.93	0	12	10*	7*	13*	s.	M. S. Spitzer.
Carrizo Springs.	Dimmit.	1	.....	.....	.....	.....	.....	.....	.....	.....	0.93	0	12	10*	7*	13*	8	s.	M. E. Cook.	
Claytonville.	Fisher.	2,100	18	45.6	+ 1.2	76	17	6	8	60	0.15	- 0.50	0.08	0	3	15	6	10	sw.	William Lanier.	
Clifton.	Bosque.	671	2	.....	.....	.....	.....	.....	.....	.....	2.36	0.78	0.5	9	15	3	13	n.	R. M. Jones.	
Coleman.	Coleman.	1,710	19	47.8	+ 1.2	78	4	10	7†	39	1.35	+ 0.38	0.69	0.4	4	14	8	9	sw.	J. E. Stevens.	
Collegeport.	Matagorda.	1	51.8	.....	.....	76	20	22	7†	34	2.98	- 0.56	0.95	0	12	12	3	16	s.	H. A. Clapp.
College Station.	Brazos.	308	23	51.7	+ 0.5	77	20	18	7	48	2.98	+ 0.29	0.42	0	3	12	2	17	n.	Prof. G. S. Fraps.	
Colorado.	Mitchell.	2,066	19	.....	76†	17	2	8	8	0.77	0.77	0.42	0	0	0	0	0	0	n.	R. M. Webb.
Columbus.	Colorado.	206	9	.....	.....	76	1	4	8	49	1.73	.....	0.48	0	9	8	4	19	n.	Mrs. Sophie Bridge.
Corpus Christi.	Nueces.	20	26	54.4	+ 0.9	76	30	27	7	36	0.92	- 1.33	0.57	0	12	12	3	16	s.	D. H. Winn.	
Corsicana.	Navarro.	445	24	44.4	- 2.6	70	4†	14	8†	37	2.30	- 0.19	0.79	0	7	13	4	14	n.	Holland Agricultural Co.	
Cotulla.	La Salle.	425	6	51.3	.....	75	20	16	8	41	3.40	.....	0.20	0	2	13	4	14	n.	A. M. Rencher.
Crockett.	Houston.	350	9	51.3	.....	75	20	16	8	41	3.40	.....	0.79	0	7	13	4	14	n.	H. R. Frobes.
Cuero.	De Witt.	177	23	52.4	- 1.3	82	20	24	7†	36	1.16	- 0.75	0.53	0	7	14	0	17	n.	G. A. Eisenlohr.	
Dallas.	Dallas.	466	24	45.5	+ 0.5	77	4	10	8†	41	3.37	+ 0.61	1.95	1.0	1	6	19	0	12	n.	H. P. Hermansen.
Danevang.	Wharton.	145	17	54.6	+ 0.5	78	19	24	7	36	1.40	- 1.40	1.10	0	2	16	5	10	n.	U. S. Weather Bureau.	
Del Rio.	Val Verde.	952	7	.....	.....	.....	.....	.....	.....	.....	1.83	0.89	0	5	1	1	1	1	n.	M. A. Keller.
Devine.	Medina.	653	3	53.0	.....	80	5	22	7	37	1.02	.....	0.40	0	4	14	5	12	n.	J. M. B. McKnight.
Dillsburg.	Cherokee.	575	9	50.0	.....	72	20	13	8	47	0.30	.....	1.15	0	1	12	4	15	n.	John W. Miller.
Dilliey.	Frio.	569	3	.....	.....	.....	.....	.....	.....	.....	0.30	0	1	1	1	1	1	1	n.	Jno. O. Shafer.
Dublin.	Erath.	1,466	17	43.9	- 1.7	77	3	6	8	43	2.12	+ 0.92	0.71	1.0	7	11	8	12	s.	J. C. Edgar.	
Duval.	Travis.	820	24	50.1	- 1.1	73	3	11	8	40	2.05	+ 0.49	1.32	0	5	19	2	17	n.w.	Charles Tarver.	
Eagle Pass.	Maverick.	36	36	52.8	- 0.6	82	30	19	8	50	0.34	- 0.37	0.24	0	2	11	8	12	n.	James A. Beard.	
Eastland.	Eastland.	1,420	6	43.6	.....	76	1	4	8	49	0.50	.....	0.50	0	1	12	2	17	s.	E. L. Faires.
Edna.	Jackson.	71	4	.....	.....	.....	.....	.....	.....	.....	1.83	0.54	T.	0	0	0	0	0	n.	U. S. Weather Bureau.
El Paso.	El Paso.	3,762	34	40.3	- 3.8	70	4	2	8	43	0.49	- 0.02	0.26	2.1	1	19	8	4	n.w.	Walter Pettit.	
El Paso.	El Paso.	558	5	51.3	.....	71	30	26	7	29	1.15	.....	0	5	14	1	16	n.	W. A. Gardner.	
Falfurrias.	Brooks.	5	56.4	.....	87	5	27	7	51	1.01	.....	0.57	0	4	12	5	14	ne.	Fred W. Laux.	
Flatonia.	Fayette.	465	5	53.2	.....	79	20	19	8	42	1.08	.....	0.30	0	6	12	7	12	n.	F. C. C. Carter.
Flint.	Smith.	483	3	48.7	.....	72	5	13	8	42	1.42	.....	1.36	T.	9	11	5	15	n.w.	Post Hospital.
Fort Clark.	Kinney.	1,																			

TABLE I.—Climatological data for January, 1913. District No. 8—Continued.

Stations.	Counties.	Elevation, feet.	Length of record, years.	Temperature, in degrees Fahrenheit.						Precipitation, in inches.						Sky.	Prevailing wind direction.	Observers.		
				Mean.	Departure from the normal.	Highest.	Date.	Lowest.	Date.	Greatest daily range.	Total.	Departure from the normal.	Greatest in 24 hours.	Total snowfall, unmeted.	Number of rainy days, 0.01 inch or more.	Number of clear days.	Number of partly cloudy days.	Number of cloudy days.		
Texas—Continued.																				
Hewitt.....	McLennan.....	664	18								2.10	+ 0.46	0.72	T.	5					
Hico.....	Hamilton.....		2								1.59	- 0.65	0	0	5	13	0	18	n.	
Hillsboro.....	Hill.....	628	9	48.9		75	24	10	8†	47	3.14	- 1.32	0	0	4	13	3	15	se.	
Hondo.....	Medina.....	901	14	50.2		73	30	20	7†	40	0.63	- 0.62	0.25	0	3	13	3	15	nw.	
Houston.....	Harris.....	138	23	54.5	+ 1.9	79	20	24	7	36	3.34	- 0.17	1.73	T.	10	9	5	17	U. S. Weather Bureau.	
Huntsville.....	Walker.....	400	29	52.4	+ 3.0	75	20	19	8	34	1.90	- 1.97	1.30	0	2	29	0	2	n.	
Jayton.....	Kent.....		3								0.00	- 0.00	0	0	0	17	0	14	w.	
Jewett.....	Leon.....	496	9	46.8		75	5	14	8†	41	3.33	- 1.08	0	0	5	16	9	6	Wichita Valley Ry. Co.	
Junction.....	Kimble.....	1,645	12	47.0		76	18	8	7†	48	0.76	+ 0.01	0.40	0	0	3	13	5	13	Earle Adkisson.
Kaufman.....	Kaufman.....	448	14	46.4	- 0.9	71	19	11	8	35	2.87	+ 1.43	1.34	0	4	13	5	13	Judge John S. Durst.	
Kerrville.....	Kerr.....	1,650	17	48.4	- 0.9	80	23	10	8	51	1.40	- 0.78	0.58	0	6	12	5	14	B. J. Hubbard.	
Knickerbocker.....	Tom Green.....	2,050	9	46.2		79	4	9	8	42	0.73	- 0.51	0.4	3	19	5	7	s.		
Kopperl.....	Bosque.....	576	16								2.09	+ 0.94	0.82	0	5	11	6	14	Jos. Tweedy.	
Lagrange.....	Fayette.....	276	3								1.32	- 0.36	0	8	12	1	18	n.		
Lamesa.....	Dawson.....	2,500	3								0.00	- 0.00	0	0	0	0	0	0	August Hermes.	
Lampasas.....	Lampasas.....	1,026	21	47.6	- 0.3	79	2†	10	8	47	2.09	+ 0.66	1.04	T.	7	14	1	16	S. D. Austin.	
La Parra.....	Willacy.....	38	13								1.19	+ 0.24	0.56	0	5	5	5	14	Mrs. K. L. Webber.	
Laredo.....	Webb.....	421									0.55	- 0.40	0	7					Jno. G. Kennedy.	
Laureles Ranch.....	Nueces.....	20	13																Mrs. A. H. Jackson.	
Liberty.....	Liberty.....	38	9	55.4		78	20	22	7	39	5.67	- 3.10	T.	7	10	8	13	n.	Matt Cody.	
Llano.....	Llano.....	1,040	22	46.2	- 4.2	77	4	14	8	47	1.42	+ 0.70	0.68	T.	7	13	8	10	E. W. Torrence.	
Llano Grande.....	Hidalgo.....	86	5	57.2		86	4	28	7	43	1.30	- 1.20	0	2	11	11	9	M. D. Wardlow.		
Long Lake.....	Anderson.....	229	8								2.98	- 1.00	0	7	11	4	16	Geo. W. Ellis.		
Longview.....	Gregg.....	336	27	48.6	+ 1.2	72	19†	15	8	40	2.83	- 1.35	0.68	0	8	13	1	17	C. A. Propst.	
Lubbock.....	Lubbock.....	2									0.04	- 0.04	T.	1	20	7	4	sw.	A. L. Paschall.	
Lufkin.....	Angelina.....	325	6	50.3		77	30	17	8	41	3.47	- 1.40	0	10	13	4	14	T. A. King.		
Luling.....	Caldwell.....	418	24	52.0	+ 0.8	77	20	21	7	37	0.98	- 0.80	0.98	0	8	11	4	16	John Carter.	
McGregor.....	McLennan.....	713	3								3.15	- 1.50	0	4	19	2	10	W. H. Whitley..		
McKinney.....	Collin.....	612	11	44.8		73	4	8	8	41	3.31	+ 0.83	1.60	0	10	14	2	15	H. Killingsworth.	
Marathon.....	Brewster.....	4,043	3	44.2		69	15	1	7	46	T.	-	T.	0	13	7	11	Rev. A. P. Willis.		
Marble Falls.....	Burnet.....	771	5								2.18	- 1.70	T.	8	13	0	18	B. E. Cochran.		
Marfa.....	Presidio.....	5									0.00	- 0.00	0	0	0	0	0	W. L. Jones.		
Marshall.....	Harrison.....	375	11	50.0		74	19	14	8	41	3.51	- 0.97	0.88	0	11	5	10	Lee Scott.		
Matagorda.....	Matagorda.....	12	3								3.05	- 2.14	0	10	15	0	16	W. E. McNabb.		
Mexia.....	Limestone.....	537	9	45.1		70	16†	14	9	38	2.52	- 0.95	T.	9	8	9	14	Miss Josephine Newman.		
Midland.....	Midland.....	6	45.6			78	17	8	8	46	T.	-	T.	0	0	17	8	6	J. Harvey Clark.	
Mission.....	Hidalgo.....	140	3	58.6		86	2†	31	8	42	1.15	- 1.15	0	1	4	12	15	Myron J. Conway.		
Mont Belvieu.....	Chambers.....	65	3								6.65	- 3.31	0	9	8	5	18	A. R. Shearer.		
Montell.....	Uvalde.....	1									0.15	- 0.15	0	7	12	6	13	A. G. Beecroft.		
Mount Blanco.....	Crosby.....	2,750	24	38.9	- 1.5	74	4	0	8	50	0.08	- 0.58	0.05	0	1	18	6	7	Geo. W. Smith.	
Nacogdoches.....	Nacogdoches.....	271	14	48.5	+ 0.9	74	20	16	8	41	4.04	+ 1.20	1.58	0	6	12	6	13	J. Hofmann.	
New Braunfels.....	Comal.....	720	24	50.4	- 1.6	73	5†	20	7	34	1.05	- 0.63	0.28	0	6	12	6	13	J. Giesecke.	
Palestine.....	Anderson.....	510	31	48.2	+ 1.7	71	19	15	8	33	3.45	- 0.42	1.24	T.	8	12	8	11	U. S. Weather Bureau.	
Panter.....	Hood.....	1,000	24								1.98	+ 0.30	0.95	1.2	5				E. H. Snyder.	
Pearshall.....	Frlo.....	629	3								0.53	- 0.19	0	6					Ernest De Vilbiss.	
Pierce.....	Wharton.....	102	7	52.8		77	20	18	7	37	1.53	- 0.64	0	5	12	0	19	R. B. Pointer.		
Plainview.....	Hale.....	3,374	17	38.6	- 3.6	70	3	- 1	8	46	0.16	- 0.28	0.16	T.	1	17	9	5	sw.	
Port Lavaca.....	Calhoun.....	20	12	52.8	- 2.9	73	5	24	7	34	0.83	- 0.42	0.83	0	1	12	10	9	J. F. Sander.	
Post.....	Garza.....	2,700	3								0.03	-	0.03	0	1	12	9	10	J. H. Bickford.	
Putnam.....	Callahan.....	1,591	2								0.60	-	0.30	0	3	24	1	6	W. T. Mann.	
Raymondville.....	Cameron.....	2	57.4			80	2	31	8	54	1.98	-	1.03	0	12	9	9	13	S. M. Davis.	
Ricardo.....	Nueces.....	57	4									-						C. H. Pease.		
Rio Grande.....	Starr.....	36									1.20	+ 0.39	0.70	0	4	20	1	10	P. L. Shaffer.	
Riverside.....	Walker.....	169	9								2.75	- 2.20	0	6	13	2	16	D. N. Garza.		
Rockland.....	Tyler.....	138	9								2.60	- 1.90	0	4	13	7	11	Mrs. C. W. Higdon.		
Rockport**.....	Aransas.....	12	12	53.3	- 0.4	70	5	24	7	26	1.33	- 0.60	0.80	0	5	15	5	11	Mack Dunkin.	
Rossville.....	Atascosa.....	558	6	53.1		77	15†	21	7	41	0.61	- 0.17	0.17	0	6	11	9	11	Mrs. G. Grewe.	
Runge.....	Karnes.....	308	18								0.86	- 0.27	0.86	0	1				W. F. Ross.	
Sabinal.....	Uvalde.....	964	9	53.0		76	18	21	8	41	0.59	- 0.20	0.20	0	3	10	5	11	Reiffert & Frobese.	
Salado.....	Bell.....	3									0.53	- 0.68	0	5	14	1	16	H. W. Reilly.		
San Angelo.....	Tom Green.....	1,847	22	46.3	+ 2.3	73	17	11	7	47	0.44	- 0.26	0.44	T.	1	18	8	2	L. M. Crockett.	
San Antonio.....	Bexar.....	701	28	52.4	+ 1.3	77	5	20	7	33	0.90	- 0.78	0.50	T.	8	9	9	13	Sam Crowther.	
San Augustin.....	San Augustin.....	360	4	52.5		78	18	17	8	42	4.72	- 1.98	T.	11	11	6	14	U. S. Weather Bureau.		
San Juanito.....	Hidalgo.....	4		50.0		85	5	29	8	43	1.69	- 0.56	0.56	T.	11	5	3	23	F. A. Wilson.	
San Marcos.....	Hays.....	588	20	50.0	- 1.1	75	19†	20	7†	38	0.47	- 0.96	0.47	T.	1	15	0	16	J. B. McAllen.	
San Saba.....	San Saba.....	1,712	12	46.7	- 2.3	77	4	6	8	44	1.14	+ 0.55	0.40	0	6	13	8	10	Miss L. C. Ford.	
Santa Gertrudes.....	Nueces.....	13									2.05	+ 1.35	2.05	0	1				Jas. Burns.	
Sealy.....	Austin.....	201	2								1.23	- 0.62	0	8	10	3	18	J. B. Wright, jr.		
Seymour.....	Baylor.....	1,320	7	42.2		77	17	5	8	40	0.44	- 0.21	0.4	T.	4				O. H. Albert.	
Snyder.....	Jeff Davis.....	2	40.8			76	4	3	8	42	0.25	- 0.12	0	3	17	8	6	S. C. Lee.		
Somerville.....	Burleson.....	251	4	53.2		80	18	19	7	41	2.70	- 1.55	0	4	18	2	11	J. Allen Weaver.		
Sonorá.....	Sutton.....	2,200	9	45.8		75	47	9	8	53	0.78	- 0.56	0.56	T.	4	16	3	12	Ed. Herbst.	
Spur.....	Dickens.....	2,300	2	39.4		73	1	1	8	42	0.04	- 0.03	0.03	T.	2	18	6	7	C. R. Myers.	
Stamford.....	Jones.....	2	40.0			68	17†													

TABLE 2.—*Daily precipitation for January, 1913. District No. 8, Texas and Rio Grande Valley.*

TABLE 2.—*Daily precipitation for January, 1913. District No. 8—Continued.*

Stations.	Watershed.	Day of month.																														Total.			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31			
<i>Texas.</i>																																			
Abilene.	Brazos.						.03			T.	.08	.09																						0.25	
Albany	do										.20																								0.50
Alice	Coast.																																		1.10
Alpine.	Pecos.																																		0.00
Alvin.	Coast.						T.			T.	T.	T.																						6.88	
Anahuac	do						.05	.07			.05	.10																					3.53		
Antelope.	Trinity.						.03			.08	.97	T.																					1.49		
Aspermont.	Brazos.									T.																								0.13	
Austin.	Colorado.								T.		.03	.27																					1.26		
Ballinger	do									.10			.20																				1.01		
Barstow.	Pecos.																																	0.00	
Bay City.	Colorado.																																	1.71	
Beaumont	Neches.								T.		.28	.02	T.	T.	.15																		6.64		
Beeville	Coast.								T.		T.	T.	.03																				0.58		
Big Springs.	Colorado.								T.			.10																					0.29		
Blanco	Guadalupe.									.03			.16																				1.45		
Boerne	San Antonio.									.01		.02	.07																				1.21		
Booth	Brazos.									.35			.10	.10	.17																		2.23		
Bowie.	Trinity.										.05		.94	.07																			1.48		
Brady.	Colorado.										.50		.20																				1.45		
Brazoria.	Brazos.										.02	T.	T.	T.	.25																		2.94		
Brazos	do										.10		.01	.52																			1.05		
Brenham	do										.05	T.			.42	.02																1.92			
Bridgeport	Trinity.											.15	.90	.10																		1.55			
Brighton.	Coast.												.31																				1.93		
Brownsville.	Rio Grande.										.02	.01	.03			.24	.36	.02	T.	T.	T.	.02	T.	.05	T.	T.	.02	.16	.04		2.05				
Brownwood	do												.10	.40																			1.46		
Buena Vista.	Pecos.																																	0.00	
Cameron	Brazos.												T.	.05	.39																		13.29		
Carmona.	Neches.																																	0.15	
Carizzo Springs.	Colorado.																																	2.36	
Claytonville.	Nueces.																																	1.35	
Clifton.	Brazos.																																	1.30	
Coleman.	Colorado.																																	1.40	
Collegeport.	Coast.																																	2.98	
College Station.	Brazos.																																	0.77	
Colorado.	Colorado.																																	1.73	
Columbus	Guadalupe.																																	0.92	
Corpus Christi.	Coast.																																	2.30	
Corsicana	Trinity.																																	0.30	
Cotulla.	Nueces.																																	3.40	
Crockett.	Trinity.																																	1.16	
Cuero	Guadalupe.																																	3.37	
Dallas	Trinity.																																	1.40	
Danevang.	Coast.																																	2.12	
Del Rio.	Rio Grande.																																	0.34	
Devine.	Nueces.																																	0.50	
Dialville.	Neches.																																	1.02	
Dilley.	Nueces.																																	3.12	
Dublin	Brazos.																																	2.12	
Duval.	Colorado.																																	2.05	
Eagle Pass.	Rio Grande.																																	0.50	
Eastland	Brazos.																																	1.83	
Edna.	Levaca.																																	0.49	
El Paso.	Rio Grande.																																	1.15	
Encinal.	Nueces.																																	0.49	
Falfurrias.	Coast.																																	1.01	
Flinton.	Guadalupe.																																	1.08	
Fort Clark	do																																	4.29	
Fort Davis.	Rio Grande.																																	0.40	
Fort McIntosh.	Pecos.																																	0.47	
Fort Stockton.	Colorado.																																	T.	
Fredericksburg.	Trinity.																																	2.30	
Gail.	do					</																													

TABLE 2.—*Daily precipitation for January, 1913. District No. 8—Continued.*

Stations.	Watershed.	Day of month.																														Total	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
<i>Texas—Contd.</i>																																	
Kopperl |||	Brazos.							.06		T.	.19	.64				T.	T.	T.		.02	.04		.05	.82									2.09
Lagrange.	Colorado.							T.		T.	.19	.17				T.	.08	T.		.02	.04		.35									1.32	
Lamesa.	do.																															0.00	
Lampasas |||	Brazos.																															2.09	
La Parra.	Coast.																															1.19	
Laredo.	Rio Grande.																															0.55	
Laureles Ranch.	Coast.							T.	.22	T.	T.	.23	.23			T.	.45	.75	T.		T.	.69	T.		T.	.3	.10					0.00	
Liberty |||	Trinity.							T.		T.	.13					T.	T.	T.		.10	.21											5.67	
Llano.	Colorado.																															1.42	
Llano Grande.	Rio Grande.																															1.30	
Long Lake |||	Trinity.							T.	.08			.25	.68	.20																	2.98		
Longview |||	Sabine.							T.	.10			.37	.62	.68																	2.83		
Lubbock.	Neches.																															0.04	
Luling |||	Guadalupe.																															3.47	
McGregor.	Brazos.							T.	.04			.1.60	.18				T.	.05	T.		T.	.04									0.98		
McKinney.	Trinity.							T.	.04																						3.15		
Marathon.	Rio Grande.							T.																								3.31	
Marble Falls |||	Colorado.							T.																								2.18	
Mara.	Rio Grande.							T.																								0.00	
Marshall.	Sabine.							T.	.02																							3.51	
Matagorda.	Coast.							T.	.03																							3.05	
Mexia |||	Brazos.							T.	.06																							2.52	
Midland.	Colorado.							T.																								T.	
Mission |||	Rio Grande.							T.																								1.15	
Mont Belvieu.	Coast.							T.	.11																							6.65	
Montell.	Nueces.																															0.39	
Mount Blanco.	Brazos.																															0.05	
Nacogdoches |||	Neches.																															4.04	
New Braunfels.	Guadalupe.																															1.05	
Palestine.	Trinity.							T.	.15																							3.45	
Panter.	Brazos.							T.	.53																							1.98	
Pearsall.	Nueces.																															0.53	
Pierce.	Colorado.																															1.53	
Plainview.	Brazos.																															0.16	
Port Lavaca.	Coast.							T.																								0.83	
Post.	Brazos.																															0.03	
Putnam.	do.																															0.60	
Raymondville |||	Coast.																															1.98	
Ricardo.	do.																															0.00	
Rio Grande.	Rio Grande.																															1.20	
Riverside |||	Trinity.																															2.75	
Rockland |||	Neches.																															2.60	
Rockport.	Coast.							T.	.16																						1.33		
Rossville.	Nueces.																															0.61	
Runge.	San Antonio																															0.86	
Sabinal.	Nueces.																															0.59	
Salado.	Brazos.																															2.09	
San Angelo.	Colorado.							T.																								0.44	
San Antonio.	San Antonio							T.	.38																						0.90		
San Augustine.	Neches.							T.	.10																						20		
San Juanito.	Coast.																															1.69	
San Marcos.	Guadalupe.																															0.47	
San Saba.	Colorado.																															1.14	
Santa Gertrudes |||	Coast.																															2.05	
Sealy.	Brazos.							T.	.02																						1.23		
Seymour.	do.							T.	.13																						0.44		
Snyder |||	Colorado.																															0.25	
Somerville.	Brazos.							T.	.12																						2.70		
Sonora.	Rio Grande.							T.	.08																						0.78		
Spur |||	Brazos.							T.	.01																						0.04		
Stamford.	do.							T.	.10																						0.17		
Stowell.	Coast.																															0.00	
Sugarland.	Brazos.																															2.29	
Sutherland Springs.	San Antonio							T.	.21																						0.40		
Taylor.	Brazos.							T.	.04																						1.62		
Temple |||	do.					</																											

TABLE 3.—Maximum and minimum temperatures for January, 1913.—District No. 8, Texas and Rio Grande Valley.

Date.	Colorado.				New Mexico.										Texas.													
	Garnett.		San Luis.		Agricultural College.		Carlsbad.		Fort Stanton.		Mountain-air.		Rosedale.		Roswell.		Santa Fe.		Santa Rosa.		Abilene.		Big Spring.		Brownsville.		Corpus Christi.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1...	25	3	30	12	65	23	70	23	57	22	32	20	48	34	68	25	37	15	55	36	74	43	74	38	75	36	74	45
2...	33	-5	32	-13	47	22	72	24	52	15	38	22	50	18	57	20	34	5	55	17	47	35	65	37	65	52	61	46
3...	40	-5	42	0	59	20	71	20	59	33	34	18	58	22	68	23	43	20	60	36	69	41	62	29	72	34	70	34
4...	41	-12	39	15	68	19	76	46	54	35	44	7	50	34	74	25	49	24	63	24	74	36	78	35	72	48	71	47
5...	26	-2	33	-2	48	30	67	25	50	10	13	3	45	20	26	14	27	7	25	11	37	21	60	21	76	62	74	63
6...	7	-17	7	-14	30	8	34	10	10	-3	5	-7	22	5	14	4	7	-10	12	-2	21	10	34	12	78	45	66	32
7...	5	-31	12	-25	21	0	21	1	3	-20	10	-21	18	-10	14	-7	7	-12	16	-10	26	9	26	9	46	30	33	27
8...	10	-30	11	-31	23	-8	31	-3	40	-19	20	-19	33	-4	14	-19	27	-9	35	-2	38	9	41	8	44	31	37	30
9...	17	-26	31	-26	28	0	33	6	47	-13	35	-14	38	0	25	-10	37	4	32	-7	46	21	50	20	50	34	45	34
10...	26	-20	20	-5	48	7	63	23	44	28	36	4	32	12	37	9	34	13	46	4	50	36	56	32	65	42	51	43
11...	22	-19	15	-2	45	25	58	28	36	22	32	8	38	15	45	20	24	9	37	21	55	27	54	26	77	54	70	50
12...	20	-17	20	-12	46	12	58	16	42	8	32	4	42	5	42	12	27	5	39	20	46	17	51	15	67	48	59	38
13...	26	-21	30	-12	51	22	60	21	56	17	35	8	42	20	51	20	41	14	51	21	60	30	62	22	61	46	56	44
14...	34	-12	35	-2	58	26	58	23	56	14	38	13	40	18	50	22	43	25	52	16	56	27	61	28	56	50	60	50
15...	35	-8	38	11	64	21	62	26	59	21	42	20	50	25	56	24	48	24	53	24	68	48	65	46	75	54	67	54
16...	34	8	32	26	58	43	61	47	48	40	40	20	42	30	60	44	42	29	51	36	66	58	68	50	77	63	65	57
17...	32	11	30	22	60	25	73	43	60	34	45	23	48	32	67	35	40	26	54	33	76	51	73	49	78	65	74	59
18...	36	-4	40	8	63	23	70	26	60	21	48	18	50	23	66	27	40	21	59	30	66	36	65	32	79	65	70	60
19...	40	8	38	8	63	27	65	37	59	25	50	27	50	28	58	33	43	26	61	34	72	48	73	39	78	65	70	61
20...	26	6	36	8	54	35	65	34	51	25	38	23	42	24	41	27	34	13	48	24	63	32	60	34	78	65	73	46
Mns.	30.2	-6.6	31.7	-2.0	52.1	21.4	59.6	24.7	49.1	17.4	36.6	11.5	44.0	18.9	50.4	19.2	35.5	14.1	48.6	19.6	55.8	32.7	59.2	30.2	68.2	49.1	61.9	46.9

Texas.

Date.	Del Rio.		El Paso.		Fort McIntosh.		Fort Stockton.		Fort Worth.		Galveston.		Hallettsville.		Houston.		Lufkin.		Palestine.		Plainview.		San Antonio.		Seymour.		Taylor.	
	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.	Max.	Min.
1...	64	34	82	32	78	39	78	40	64	52	67	34	72	46	62	29	69	39	66	30	72	41	74	34	69	35		
2...	47	29	84	48	68	28	54	33	60	44	58	47	57	43	62	45	55	38	52	21	56	41	63	34	53	34		
3...	57	26	80	23	73	35	67	36	61	43	64	36	70	37	79	65	36	70	30	69	36	75	32	75	32			
4...	70	27	82	34	75	50	74	47	66	58	68	42	72	49	73	40	70	48	66	32	71	42	68	39	69	42		
5...	58	34	86	48	67	26	59	32	68	62	76	61	74	60	73	60	71	48	41	16	77	54	48	25	72	42		
6...	35	11	87	34	49	15	32	17	66	44	61	34	68	32	67	32	48	24	23	2	54	27	30	10	42	21		
7...	22	4	60	23	32	10	27	13	44	28	34	23	33	24	34	22	24	17	15	1	33	20	35	10	26	17		
8...	23	2	46	28	42	10	40	14	36	27	35	26	36	24	32	17	32	15	42	-1	42	22	37	5	34	16		
9...	30	8	51	32	53	23	43	21	43	34	61	35	44	31	43	28	42	23	50	6	47	32	48	17	45	26		
10...	51	18	61	27	77	38	47	41	63	42	48	41	70	42	66	34	55	38	60	29	48	37	44	26	46	36		
11...	43	30	69	42	69	31	57	24	64	54	63	48	70	49	45	34	56	33	55	21	72	48	47	27	67	34		
12...	44	21	65	41	61	18	39	17	54	37	55	32	49	32	45	28	40	23	54	8	54	31	38	15	43			
13...	53	24	65	47	62	28	52	25	54	42	61	34	61	37	68	27	57	28	58	21	62	33	50	26	60	27		
14...	62	31	64	41	70	28	52	30	56	49	62	45	65	44	62	38	57	35	57	15	58	50	50	21	61	39		
15...	66	29	69	55	70	37	62	56	56	55	69	56	69	49	66	52	63	27	65	55	63	28	70	55				
16...	58	48	81	52	72	45	70	62	62	58	75	65	74	61	68	55	61	52	43	72	64	66	43	72	64			
17...	60	38	82	53	77	45	73	61	67	60	73	65	75	65	73	63	67	62	65	34	70	61	67	54	67			
18...	64	32	77	55	72	32	66	44	67	60	75	65	77	64	75	67	69	56	60	24	74	53	63	39	72			
19...	64	36	80	71	80	43	68	50	69	61	75	62	74	62	70	53	71	59	67	31	73	58	73	39	72			
20...	55	36	84	56	67	39	66	31	70	49	78	52	79	43	75	42	69	36	57	25	69	41	68	32	69			
21...	43	30	76	44	51	28	40	26	52	45	52	39	51	41	51	37	46	33	43	15	48	37	46	19	46			
22...	52	31	61	43	69	33	49	40	61	55	65	45	64	50	46	40	55	43	60	29	50	40	45	35	48			
23...	55	35	73	59	65																							